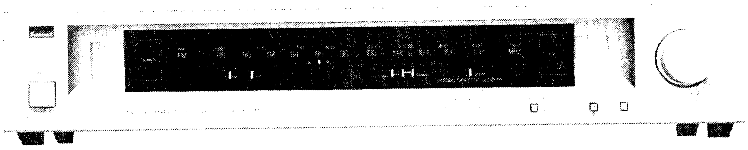
SERVICE MANUAL

AM/FM STEREO AUTO SEARCH TUNER

SANSUI T-707/707L

(Silver & Black Model)



Sansui

SANSUI ELECTRIC CO., LTD.

• SPECIFICATIONS

• T-707

FM Section

Tuning range	88 to 108 MHz
Usable sensitivity	
Mono IHF	10.8 dBf (1.9 μV: T-100)
DIN	0.9 μV
50 dB quieting sensitivity	
Mono	16.5 dBf
Stereo	37.0 dBf
Signal to noise ratio at 65 dBf	
Mono	75 dB
Stereo	70 dB
Distortion at 65 dBf	
Mono	less than 0.15 % at 1,000 Hz
Stereo	less than 0.2 % at 1,000 Hz
Alternate channel selectivity (at 400 kHz)	55 dB
Stereo separation	40 dB at 1,000 Hz
Frequency response	30 to 15,000 Hz +1.0 dB, −1.5 dB
Antenna input impedance	300 ohms balanced 75 ohms unbalanced

AM Section

Tuning range	530 to 1,600 kHz
Usable sensitivity (Loop antenna)	53 dB/m (446 μV/m)
Signal to noise ratio	45 dB
Image response ratio	40 dB at 1,000 kHz

Others

Output voltage and impedance	500 mV/2.2 kilohms
Power requirements	120/220/240 V (50/60 Hz)
For U.S.A. and Canada	120 V (60 Hz)
Power consumption	13 W
Dimensions	430 mm (16-15/16") W 78 mm (3-1/8") H 238 mm (9-3/8") D
Weight	3.0 kg (6.6 lbs.) net 3.8 kg (8.4 lbs.) packed

• T-707L

FM Section

Tuning range	88 to 108 MHz
Usable sensitivity	
Mono IHF	10.8 dBf (1.9 μV: T-100)
DIN	0.9 μV
50 dB quieting sensitivity	
Mono	16.5 dBf
Stereo	37.0 dBf
Signal to noise ratio at 65 dBf	
Mono	75 dB
Stereo	70 dB
Distortion at 65 dBf	
Mono	less than 0.15 % at 1,000 Hz
Stereo	less than 0.2 % at 1,000 Hz
Alternate channel selectivity (at 400 kHz)	55 dB
Stereo separation	40 dB at 1,000 Hz
Frequency response	30 to 15,000 Hz +1.0 dB, −1.5 dB
Antenna input impedance	300 ohms balanced 75 ohms unbalanced

AM (MW, LW) Section

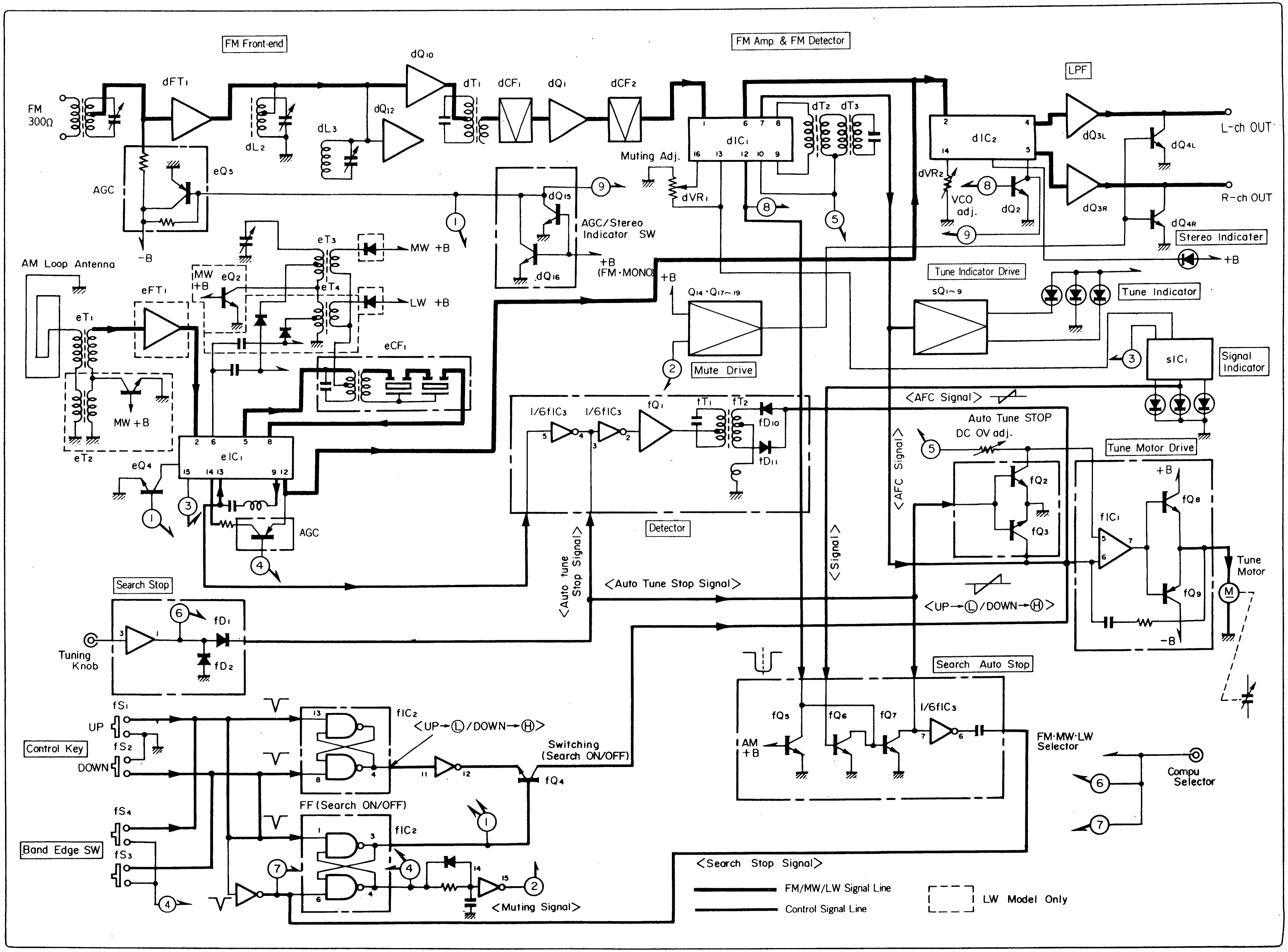
Tuning range	MW: 530 to 1,600 kHz LW: 150 to 350 kHz
Usable sensitivity	MW: 53 dB/m (446 μV/m) LW: 62 dB/m
Signal to noise ratio	45 dB
Image response ratio	MW: 40 dB at 1,000 kHz LW: 35 dB at 250 kHz

Others

Output voltage and impedance	500 mV/2.2 kilohms
Power requirements	220, 240 V (50/60 Hz)
Power consumption	13 W
Dimensions	430 mm (16-15/16") W 78 mm (3-1/8") H 238 mm (9-3/8") D
Weight	3.0 kg (6.6 lbs.) net 3.8 kg (8.4 lbs.) packed

* Design and specifications subject to changes without notice for improvements.

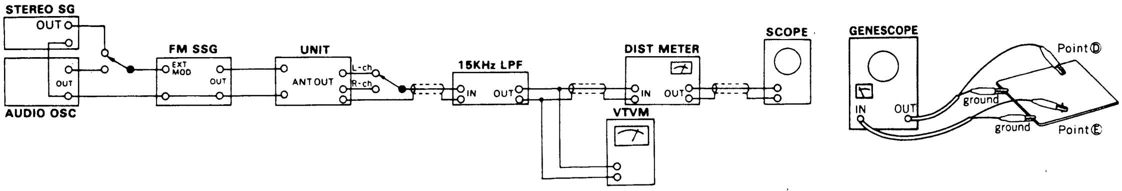
1. BLOCK DIAGRAM


FM Front-end
FM Amp & FM Detector
LPF
FM 300Ω
dFT₁
dQ₁₀
dT₁
dCF₁
dQ₁
dCF₂
dQ₁₂
dL₂
dL₃
dIC₁
dT₂
dT₃
dIC₂
dQ₃L
dQ₃R
dQ₄L
dQ₄R
L-ch OUT
R-ch OUT
Muting Adj.
dVR₁
dVR₂
VCO adj.
dQ₂
AGC
eQ₅
-B
dQ₁₅
dQ₁₆
AGC/Stereo Indicator SW
+B (FM·MONO)
Stereo Indicator
+B
AM Loop Antenna
eT₁
eFT₁
eT₂
MW +B
MW +B
eQ₂
eT₃
eT₄
MW +B
LW +B
eCF₁
eIC₁
eQ₄
AGC
Q₁₄·Q₁₇~₁₉
Mute Drive
Tune Indicator Drive
sQ₁~₉
Tune Indicator
sIC₁
Signal Indicator
<AFC Signal>
1/6fIC₃
1/6fIC₃
fQ₁
fT₁
fT₂
fD₁₀
fD₁₁
Detector
Auto Tune STOP DC 0V adj.
fQ₂
fQ₃
Tune Motor Drive
fIC₁
fQ₈
fQ₉
Tune Motor
M
<AFC Signal>
<Signal>
<Auto tune Stop Signal>
<Auto Tune Stop Signal>
<UP→Ⓛ/DOWN→Ⓗ>
Search Stop
Tuning Knob
fD₁
fD₂
Search Auto Stop
fQ₅
fQ₆
fQ₇
1/6fIC₃
AM +B
FM·MW·LW Selector
Compu Selector
Control Key
fS₁
UP
fS₂
DOWN
fIC₂
<UP→Ⓛ/DOWN→Ⓗ>
Switching (Search ON/OFF)
fQ₄
FF (Search ON/OFF)
fIC₂
Band Edge SW
fS₄
fS₃
<Muting Signal>
<Search Stop Signal>
FM/MW/LW Signal Line
Control Signal Line
LW Model Only
①
②
③
④
⑤
⑥
⑦
⑧
⑨

2. ADJUSTMENTS

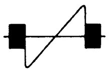
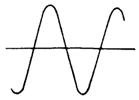
2-1. FM Adjustment (See Top View on Page 8)

Note: 1. Selector . . . . FM
2. Remove the lead wires from terminals 56 and 57.



(1) FM IF, RF Adjustment and Dial Calibration

Note: MUTING/SEARCH Switch . . . . OFF

STEP	SUBJECT		FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
			FROM	TO				
1.	IF Coil Adj.		98MHz ANT Input 20dBf (14.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	Between Point Ⓐ (sR18) & Earth DC Volt Meter	dT1 (F-3854)	Max. DC Volt	
2.	Discriminator Coil Adj. In case of using Genescope	1	No Input	–	Between Point Ⓑ & Point Ⓒ (dR41) or Between TP1 & TP2 DC Volt Meter ● See Parts Location F-3767, F-3854 on page 6	dT2 (F-3767)	DC 0V ±0.1V	
		2	Output 80dB, Genescope	Point Ⓓ (dTC2)	Between Point Ⓔ (dD2) & Earth ● See Parts Location F-3767 on page 6	dT3 (F-3767)	Steep linearity of S curve. Make symmetrical S curve.	
	Discriminator Coil Adj. In case of using Dist meter	1	No Input		Between Point Ⓑ & Point Ⓒ (dR41) or Between TP1 & TP2 DC Volt Meter ● See Parts Location F-3767, F-3854 on page 6	dT2 (F-3767)	DC 0V ±0.1V	● Repeat procedures as stated in subject 1 & 2. ● Since the dT1 has already adjusted, perform only a fine adjustment in this procedure.
		2	98MHz ANT Input 65dBf (59.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH VTVM & SCOPE Dist Meter	dT3, dT1 (F-3767)	Min. THD	
3.	90MHz Dial Calibration		90MHz ANT Input 65dBf (59.8dB), 1kHz (100% MOD.), FM SSG	Same as above	Dial Pointer	Tuning Knob	90MHz	● Repeat procedures as stated in step 3 & 4.
					OUTPUT L-CH or R-CH VTVM & SCOPE	dL3 (F-3854)	Max. Output	
4.	106MHz Dial Calibration		106MHz ANT Input 65dBf (59.8dB) 1kHz (100% MOD.), FM SSG	Same as above	Dial Pointer	Tuning Knob	106MHz	
					OUTPUT L-CH or R-CH VTVM & SCOPE	dTC3 (F-3854)	Max. Output	
5.	90MHz RF Adj.		90MHz ANT Input Minimum value with sine wave 1000Hz (100% MOD.), FM SSG	Same as above	OUTPUT L-CH or R-CH VTVM & SCOPE	dL1, dL2 (F-3854)	Max. Output	
6.	106MHz RF Adj.		106MHz ANT Input Minimum value with sine wave 1000Hz (100% MOD.), FM SSG	Same as above	Same as above	dTC1, dTC2 (F-3854)	Max. Output	

(2) Automatic Search Stop Adjustment

Note: 1. MUTING/SEARCH Switch . . . . ON

2. Short between the Point I (fD1) and the ground.

STEP	SUBJECT		FEED SIGNAL FROM	TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	FM DC 0V Adj.	1	98MHz ANT Input 65dBf (59.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	Between TP1 & TP2 DC Volt Meter or between Point Ⓑ & Point Ⓒ (dR41)	Tuning Knob	DC 0V (Just Tune)	• See Parts Location F-3767 on Page 6, F-3800 on Page 7.
		2	Same as above	Same as above	Between TP5 & TP6 DC Volt Meter	fVR1	DC 0V	

(3) FM STEREO Adjustment

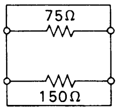
Note: MUTING/SEARCH Switch . . . . ON

STEP	SUBJECT	FEED SIGNAL FROM	TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	PLL VCO Adj.	98MHz ANT Input 65dBf (59.8dB), FM SSG, Pilot 19kHz (9% MOD.), R or L MODE 1kHz + Pilot (100% MOD.), STEREO SG	ANT terminal 300Ω	Stereo indicator	dVR2 (F-3767)	Light indicator	Adjust the VR within center of lighting level
	PLL VCO Adj. In case of using Freq. Counter	98MHz ANT Input 65dBf (59.8dB), FM SSG, No MOD.	Same as above	Between Point Ⓕ (Pin 10 of dIC2) or TP3 & Earth Freq. counter • See Parts Location F-3767, F-3854 on page 6	dVR2 (F-3767)	19kHz ±50Hz	
2.	Muting level Adj.	98MHz ANT Input 23dBf (17.8dB), FM SSG Pilot 19kHz (9% MOD.), L or R MODE 1kHz + Pilot (100% MOD.), STEREO SG.	Same as above	Stereo indicator or OUTPUT L-CH or R-CH VTVM & SCOPE	dVR1 (F-3854)	Stereo indicator turns ON or Output Signal comes out	

♦ ADJUSTMENT FOR FM

- There are two kind in indication of FM SG output attenuator
  1. Attenuator with marking of 75Ω open . . open indication type.
  2. Attenuator with marking of 75Ω load or close . . . . . . load or close indication type.
- FM SG output level in this FM adjustment are described as open indication type.
- To feed FM signal, a dummy antenna circuit as Fig. 2-1 must be connected between FM SG output and ANT terminal (300Ω) of the unit.

Fig. 2-1



Dummy antenna

- The following table shows relations among FM SG attenuator indication (dB), available power radio (dBf) and antenna terminal voltage (dB/μV) in each indication type.

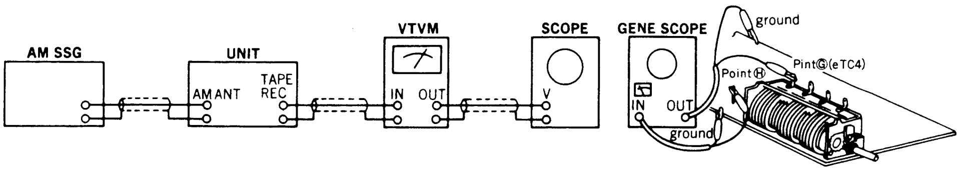
	FM SG Attenuator Indication	Available Power Ratio	Antenna Terminal Voltage
Open indication type	0 dB 66 dB	−0.8 dBf 65.2 dBf	−6 dB/μV 60 dB/μV
Load or close indication type	0 dB 60 dB	5.2 dBf 65.2 dBf	0 dB/μV 60 dB/μV

• Abbreviations

Equipment		Others	
AM FM Generator Oscilloscope	Genescope	Antenna	ANT.
AM Standard Signal Generator	AM SSG	Modulation	MOD.
FM Standard Signal Generator	FM SSG	Total Harmonic Distortion	T.H.D.
FM Stereo Generator	Stereo SG		
Oscilloscope	Scope		
Audio Oscillator	Audio Osc.		
Distortion Meter	Dist. Meter		

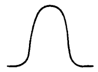
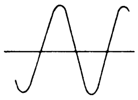
2-2. AM Adjustment (See Top View on Page 8)

Note: 1. SELECTOR . . . . AM
2. Remove the lead wires from the terminals 56 and 57.



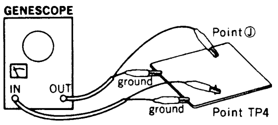
(1) AM IF Adjustment & MW (AM) Dial Calibration

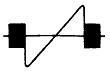
Note: SELECTOR . . . . MW (T-707L)

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil Adj.	Genescope Output 60dB	Point Ⓖ (eTC4)	Point Ⓗ (eR26) ● See Parts Location F-3746 on Page 7	eCF1 eL2 (F-3746)	Max. Waveform	
2.	600kHz Dial Calibration	600kHz ANT Input ANT Input 60dB 400Hz (30% MOD.) AM SSG	ANT terminal	Dial Pointer	Tuning Knob	600kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	eT3 (F-3854)	Max. Output	
3.	1400kHz Dial Calibration	1400kHz ANT Input 60dB 400Hz (30% MOD.) AM SSG	Same as above	Dial Pointer	Tuning Knob	1400kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	eTC4 (F-3854)	Max. Output	
4.	600kHz RF Adj.	600kHz ANT Input 50dB 400Hz (30% MOD.) AM SSG	Same as above	OUTPUT L-CH or R-CH VTVM & Scope	eT1 (F-3854)	Max. Output	
5.	1400kHz RF Adj.	1400kHz ANT Input 50dB 400Hz (30% MOD.) AM SSG	Same as above	OUTPUT L-CH or R-CH VTVM & Scope	eTC3 (F-3854)	Max. Output	

(2) Automatic Search Stop Adjustment

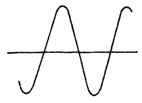
Note: 1. MUTING/SEARCH Switch . . . . ON
2. Short between the Point I (fD1) and the ground.
3. SELECTOR . . . . MW (T-707L)



STEP	SUBJECT		FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
			FROM	TO				
1.	AM DC 0V Adj. Discriminator Coil Adj. In case of using Genescope		Output 60dB Genescope	Point Ⓙ (fR27)	Between TP4 & Earth	fT2 (Blue) fT1 (Pink)	● Steep linearity of S curve. ● Make symmetrical S curve. ● Max. wave.	
	AM DC 0V Adj. In case of using DC Volt Meter	1	1000kHz, ANT Input 60dB, 400Hz (30% MOD.), AM SSG	ANT terminal	OUTPUT L-CH or R-CH VTVM & Scope	Tuning Knob	Max. Output	
		2	Same as above	Same as above	Between TP4 & Earth DC Volt Meter	fT2	DC 0V	
	Discriminator Coil Adj. In case of using DC Volt Meter	3	Same as above	Same as above	Same as above	Tuning Knob	Max. DC Volt	
		4	Same as above	Same as above	Same as above	fT1	Max. DC Volt	

(3) LW Dial Calibration (T-707L Only)

Note: SELECTOR . . . . LW

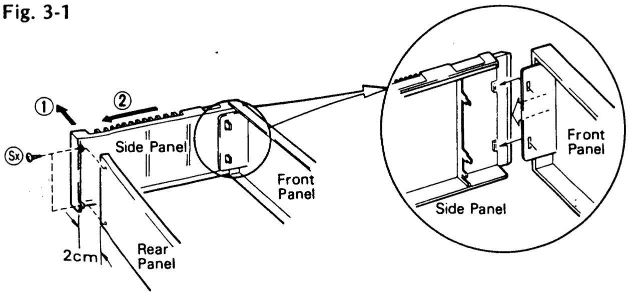
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	170kHz Dial Calibration	170kHz ANT Input 60dB 400Hz (30% MOD.) AM SSG	ANT terminal	Dial Pointer	Tuning Knob	170kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	eT4 (F-3854)	Max. Output	
2.	300kHz Dial Calibration	300kHz ANT Input 60dB 400Hz (30% MOD.), AM SSG	Same as above	Dial Pointer	Tuning Knob	300kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	eTC2 (F-3854)	Max. Output	
3.	170kHz RF Adj.	170kHz ANT Input 50dB 400Hz (30% MOD.), AM SSG	Same as above	OUTPUT L-CH or R-CH VTVM & Scope	eT2 (F-3854)	Max. Output	
4.	300kHz RF Adj.	300kHz ANT Input 50dB 400Hz (30% MOD.), AM SSG	Same as above	OUTPUT L-CH or R-CH VTVM & Scope	eTC1 (F-3854)	Max. Output	

3. MAIN PARTS REPLACEMENT

A. Side Panel L (R)

1) Remove four screws (Sx) fixing side panel L (R) from rear panel side.
2) Remove bonnet and bottom plate.
3) Shift the position of the side panel L (R) 2 cm in the arrow direction ① and then pull it the arrow direction ② to remove the side panel L (R). (See Fig. 3-1)

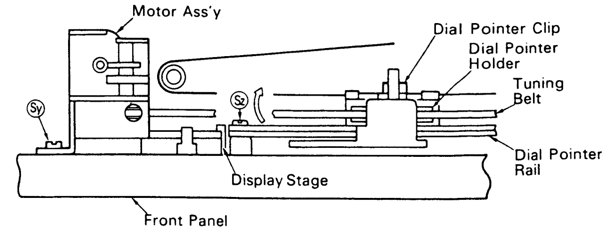
Fig. 3-1


①
②
(Sx)
Side Panel
Front Panel
Rear Panel
2cm
Front Panel
Side Panel

B. Display Stage & Front Panel Ass'y (See Fig. 3-2)

1) Remove four screws (Sx) fixing side panel L (R) from rear panel side. (See Fig. 3-1)
2) Remove bonnet and bottom plate.
3) Remove side panel L and R (See Replacement A)
4) Remove dial pointer clip.
5) Loosen two screws (Sy) fixing motor bracket.
6) Remove circuit board F-3801 and F-3802 from display stage.
7) Loosen a screw (Sz) fixing dial pointer rail.
8) Pull out the dial pointer from dial pointer rail.
9) Remove display holder from front panel ass'y.
10) Take off tuning belt from tuning unit.
11) Remove tuning unit from front panel ass'y.

Fig. 3-2


Motor Ass'y
Dial Pointer Clip
Dial Pointer Holder
Tuning Belt
(Sy)
(Sz)
Dial Pointer Rail
Display Stage
Front Panel

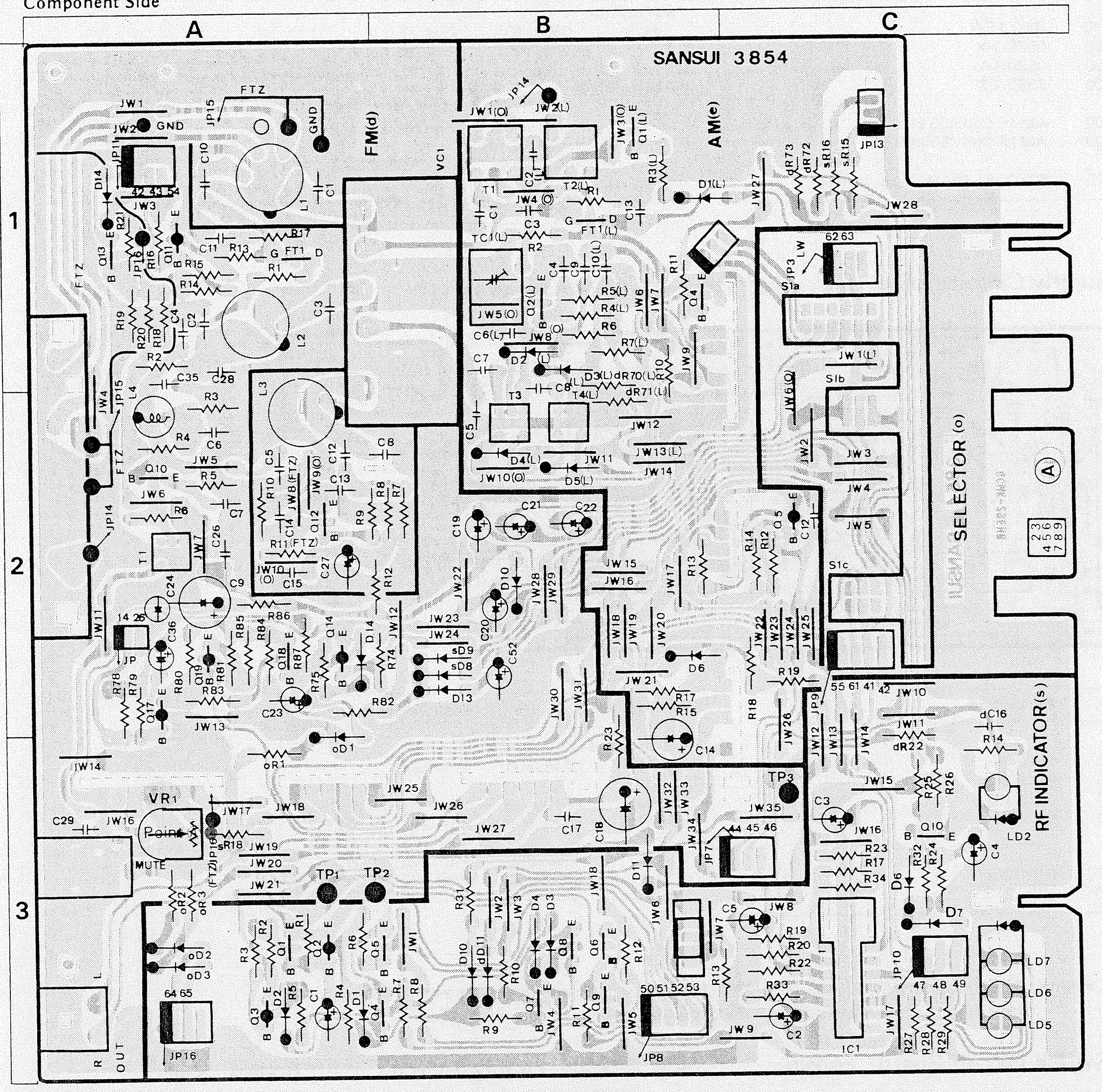
4. PARTS LOCATION & PARTS LIST

●Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors, which was appended previously to Sansui Manual.

4-1. F-3854 FM/AM RF & RF Ind. Control Circuit Board

(Stock No. 00703501 = T-707/00703505 = T-707L)

Component Side



Parts List

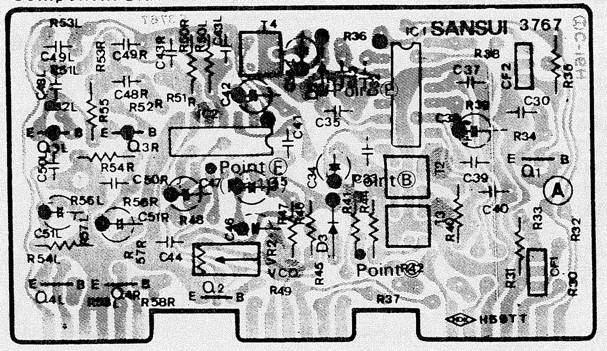
Parts No.	Stock No.	Description
●Transistor		
dQ10	46202901	2SC1674
	or 46393201	2SC2786
dQ11	07197001	2SA733A
	or 46392001	2SA1175
	or 07194701	2SA1015
	or 46367201	2SA1048
	or 03012701	2SA999
	or 46367001	2SA1115
dQ12	07273601	2SC1923
	or 46392401	2SC2668
dQ14	46392001	2SA1175
	or 46367001	2SA1115
	or 46367201	2SA1048
dQ15	46391901	2SC2785
	or 46367101	2SC2603
	or 46367301	2SC2458
dQ16	46391901	2SC2785
	or 46367101	2SC2603
	or 46367301	2SC2458
dQ17	46392001	2SA1175
	or 46367001	2SA1115
	or 46367201	2SA1048
dQ18	46391901	2SC2785
	or 46367101	2SC2603
dQ19	46392001	2SA1175
	or 46367001	2SA1115
●FET		
dFT1	46393000	2SK192A-Y
	or 46393001	2SK192A-GR
●Diode		
dD10	03117600	1S2473D
dD11	03117600	1S2473D
dD13	03117600	1S2473D
dD14	03117600	1S2473D
dC24	08451700	1μF 50V E.B.

Parts List <F-3854>

Parts No.	Stock No.	Description
dVC1	46369700	Variable Capacitor
dL1	42007200	FM RF Coil
dL2	42103400	FM RF Coil
dL3	42204000	FM OSC Coil
dL4	49003000	Inductor 2.2μH
dT1	46369500	FM IF Coil
dVR1	10370700	10kΩ (B) S.V.R., Mute Level Adj.
●Transistor		
eQ1	46118801	2SC2878 <T-707L Only>
eQ2	46118801	2SC2878 <T-707L Only>
eQ4	46391901	2SC2785
	or 46367101	2SC2603
	or 46367301	2SC2458
eQ5	46392001	2SA1175
	or 46367001	2SA1115
	or 46367201	2SA1048
●FET		
eFT1	46393000	2SK192A <T-707L Only>
	or 46393001	2SK192A <T-707L Only>
●Diode		
eD1	03117600	1S2473D <T-707L Only>
eD2	03117600	1S2473D <T-707L Only>
eD3	03117600	1S2473D <T-707L Only>
eD4	03117600	1S2473D <T-707L Only>
eD5	03117600	1S2473D <T-707L Only>
eD6	03117600	1S2473D
eTC1, 2	46370700	Trimmer Capacitor 16pF <T-707L Only>
eT1	46260600	MW RF Coil
eT2	46260700	LW RF Coil <T-707L Only>
eT3	46369300	MW OSC Coil
eT4	46369400	LW OSC Coil <T-707L Only>
●Diode		
oD1	03117600	1S2473D
oD2	03117600	1S2473D
oD3	03117600	1S2473D
oS1	46369000	Push SW., Selector·MUTING <T-707>
	46396600	Push SW., Selector·MUTING <T-707L>
oZ1	46364200	Antenna Terminal Board
oZ2	46363700	2P Output Terminal Board
oZ3	46411800	Mini Jack, COMPU SELECTOR
●Transistor		
sQ1	46391901	2SC2785
sQ2	46392001	2SA1175
sQ3	46392001	2SA1175
sQ4	46367301	2SC2458
	or 46391901	2SC2785
sQ5	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
sQ6	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
sQ7	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
sQ8	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
sQ9	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
sQ10	46367301	2SC2458
	or 46367101	2SC2603
	or 46391901	2SC2785
●IC		
sIC1	03611600	LB1416
●Diode		
sD1	03117600	1S2473D
sD2	03117600	1S2473D
sD3	03117600	1S2473D
sD4	03117600	1S2473D
sD6	03117600	1S2473D
sD7	03117600	1S2473D
sD8	03117600	1S2473D
sD9	03117600	1S2473D
sD10	03117600	1S2473D
sD11	03117600	1S2473D
●Light Emitting Diode		
sLD2	46176900	TLS-123 (Red)
sLD5	07250900	TLG-123A (Green)
sLD6	07250900	TLG-123A (Green)
sLD7	07250900	TLG-123A (Green)

4-2. F-3767 FM IF Circuit Board (Stock No. 00700301)

Component Side

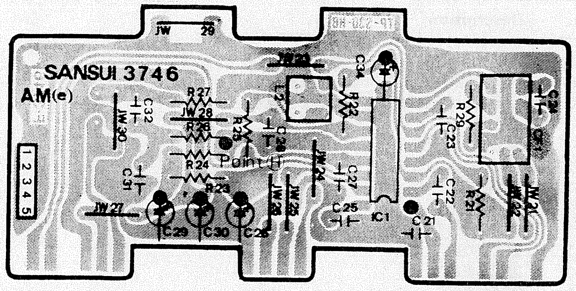


Parts List

Parts No.	Stock No.	Description
●Transistor		
dQ1	46393101	2SC2839
	or 46393201	2SC2786
dQ2	46391901	2SC2785
	or 46367101	2SC2603
	or 46367301	2SC2458
dQ3	46392001	2SA1175
	or 46367001	2SA1115
	or 46367201	2SA1048
dQ4	46391901	2SC2785
	or 46367101	2SC2603
●IC		
dIC1	07191200	LA1231N
dIC2	03603000	HA1156W
●Diode		
dD2	03117600	1S2473D
dD3	03117600	1S2473D
dCF1	09106410	Ceramic Filter 10.7 MHz
dCF2	09106410	Ceramic Filter 10.7 MHz
dT2	46369100	FM Detector Coil
dT3	46369200	FM Detectot Coil
dVR2	07218000	6.8kΩ (B) SV R, VCO adj.

4-3. F-3746 AM Tuner Circuit Board (Stock No. 00700401)

Component Side

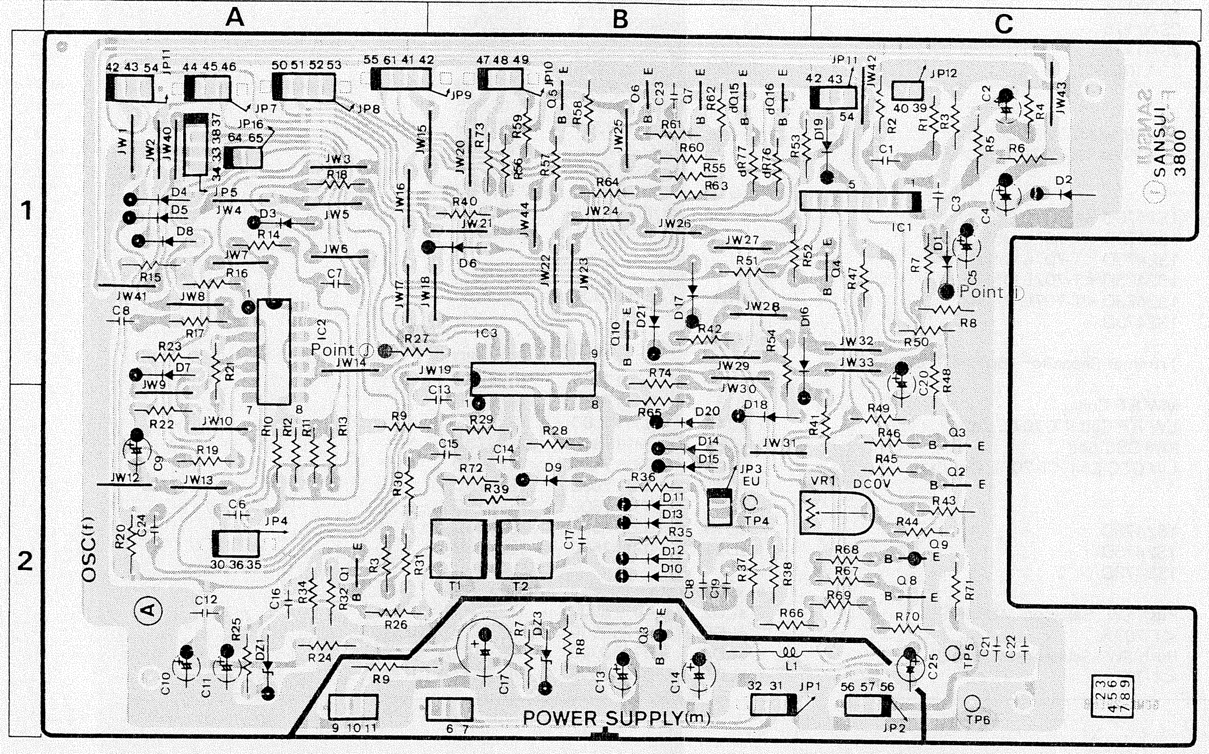

SANSUI 3746
AM(e)
JW 29
Point
1 2 3 4 5
C29 C30 C28
C21 C25 C27 C31 C32 C33 C34
IC1
R23 R24 R27 R32 R36 R39
JW27 JW28 JW30

Parts List

Parts No.	Stock No.	Description
●IC		
eIC1	03608000	LA1240
	or 03603900	HA1197
eCF1	07250500	Ceramic Filter 455 kHz
eL2	46369600	AM IF Coil

4-4. F-3800 Automatic Search & Tuning Circuit Board (Stock No. 00703101 = T-707/00703105 = T-707L)

Component Side


A
B
C
1
2
SANSUI 3800
OSC(f)
POWER SUPPLY(m)
Point
IC1
IC2
IC3
T1
T2
VR1
TP4
TP5
TP6
JP1
JP2
JP3
JP4
JP5
JP7
JP8
JP9
JP10
JP11
JP12
JP16
9 10 11
6 7
32 31
56 57 56
30 36 35
42 43 54
44 45 46
50 51 52 53
55 61 41 42
47 48 49

Parts List

Parts No.	Stock No.	Description
●Transistor		
fQ1	46393101	2SC2839
fQ2	46391901	2SC2785
	or 46367101	2SC2603
fQ3	46391901	2SC2785
	or 46367101	2SC2603
fQ4	46391901	2SC2785
	or 46367101	2SC2603
fQ5	46391901	2SC2785
	or 46367101	2SC2603
fQ6	46391901	2SC2785
	or 46367101	2SC2603
fQ7	46391901	2SC2785
	or 46367101	2SC2603
fQ8	46391901	2SC2785
	or 46367101	2SC2603
fQ9	46367001	2SA1115
	or 46392001	2SA1175
●IC		
fIC1	46078900	M5218L
fIC2	03604000	MSM4011RS
	or 03604100	TC4011P
fIC3	03611800	MSM4049RS

Parts No.	Stock No.	Description
●Diode		
fD1	03117600	1S2473D
fD2	03117600	1S2473D
fD3	03117600	1S2473D
fD4	03117600	1S2473D
fD5	03117600	1S2473D
fD6	03117600	1S2473D
fD7	03117600	1S2473D
fD8	03117600	1S2473D
fD9	03117600	1S2473D
fD10	46267200	HP80
fD11	46267200	HP80
●Varistor		
fD14	03401700	MV103 <T-707L Only>
fD15	03401700	MV103 <T-707L Only>
●Diode		
fD16	03117600	1S2473D
fD17	03117600	1S2473D
fD18	03117600	1S2473D
fD19	03117600	1S2473D
fD20	03117600	1S2473D
fD21	03117600	1S2473D

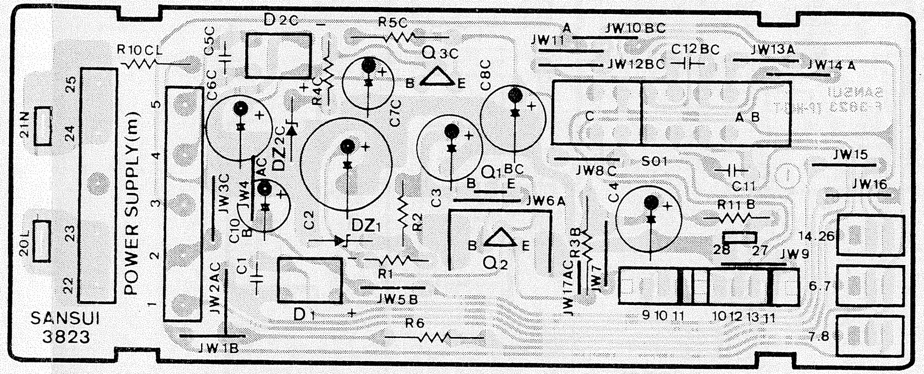
Parts List <F-3800>

Parts No.	Stock No.	Description
●Zener Diode		
fDZ1	03178200	RD9.1E-B
	or 46112900	05Z9.1-X
	or 46113000	05Z9.1-Y
	or 46113100	05Z9.1-Z
fT1	07250100	AM IF Coil 455 kHz
fT2	07250200	AM IF Coil 455 kHz
fVR1	07241500	50kΩ (B) S.V.R., Auto tune adj.

Parts No.	Stock No.	Description
●Transistor		
mQ3	03034401	2SB527
	or 07260001	2SA935
●Zener Diode		
mDZ3	46114500	05Z15-Y
	or 46114600	05Z15-Z
mR9	00179000	10Ω 1W N.I.R.
mL1	42904600	Peaking Coil

4-5. F-3823 Power Supply Circuit Board (Stock No. 00703401 = T-707/00703405 = T-707L)

Component Side


SANSUI 3823
POWER SUPPLY(m)
D2C
R5C
R10CL
Q3C
Q1BC
Q2
DZ1
D1
R1
R6
S01
C11
R11 B
JW10BC
JW12BC
JW13A
JW14 A
JW15
JW16
JW1B
JW2AC
JW5B
JW6A
JW8C
JW9
JW17AC
21N
20L
9 10 11
10 12 13 11
14.26
6.7
7.8

Parts List

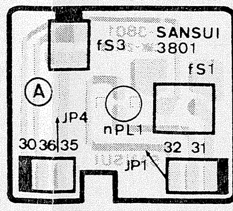
Parts No.	Stock No.	Description
●Transistor		
mQ1	03059501	2SC945
	or 03068301	2SC2320
	or 07194801	2SC1815
mQ2	03083901	2SD313
●Diode		
mD1	46273600	DBB10-B
mD2	03117700	10E-2

Parts No.	Stock No.	Description
●Zener Diode		
mDZ1	07180700	RD15E-B
mR6	00190100	47Ω 1W N.I.R.
mR11	46230500	1.8kΩ 1/2W N.I.R.
mS1	46370900	Push SW., Power <T-707L>
	46399900	Push SW., Power <T-707>

● Note: The circuit boards, F-3801, F-3802 & F-3855 are not supplied as the assembled.
However, the individual parts on the circuit boards are provided by orders.

4-6. F-3801 Tuning Switch Circuit Board <DOWN>

Component Side

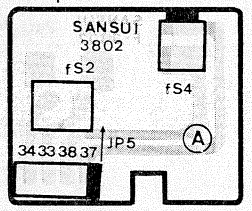

SANSUI 3801
fS3
fS1
Ⓐ
JP4
nPL1
JP1
30 36 35
32 31

Parts List

Parts No.	Stock No.	Description
fS1	46394200	Push SW.
fS3	46394100	Leaf SW.
sPL1	46315900	Pilot Lamp 12V 150mA

4-7. F-3802 Tuning Switch Circuit Board <UP>

Component Side

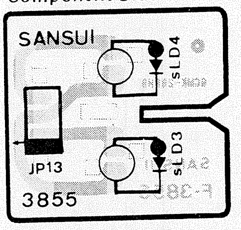

SANSUI 3802
fS2
fS4
JP5
Ⓐ
34 33 38 37

Parts List

Parts No.	Stock No.	Description
fS2	46394200	Push SW.
fS4	46394100	Leaf SW.

4-8. F-3855 FM/AM Indicator L.E.D. Circuit Board

Component Side


SANSUI
sLD4
JP13
sLD3
3855

Parts List

Parts No.	Stock No.	Description
●Light Emitting Diode		
sLD1	46321200	L.E.D. Ass'y (Dial Pointer)
sLD3	46176900	TLS-123 (Red)
sLD4	46176900	TLS-123 (Red)

* Concerning Printed Resistor and Printed Silver Pattern

In this model, printed circuit board is used on which carbon resine resistance and silver foil pattern are coated. And it is impossible to replace those parts. Therefore, please keep following procedures when repairing or ordering the parts.

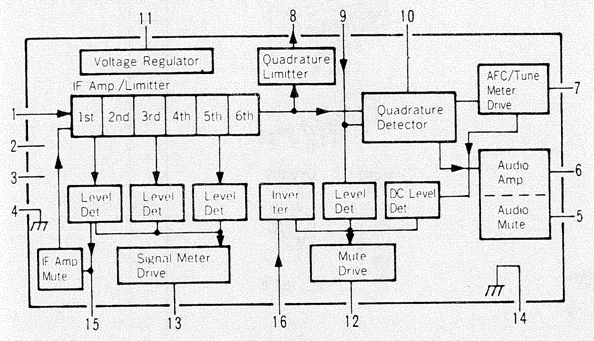
1. When repairing the printed resistor, cut off center portion of the resistor to make complete open circuit. Then solder 1/3 W type carbon resistor to conductor side of the PCB.
2. When repairing the printed silver pattern, solder lead wire to conductor side of the PCB.
3. When ordering the 1/3 W type carbon resistor, read the resistance value from the schematic diagram, and refer to "Common Parts List for Resistors and Capacitors".

●Abbreviations

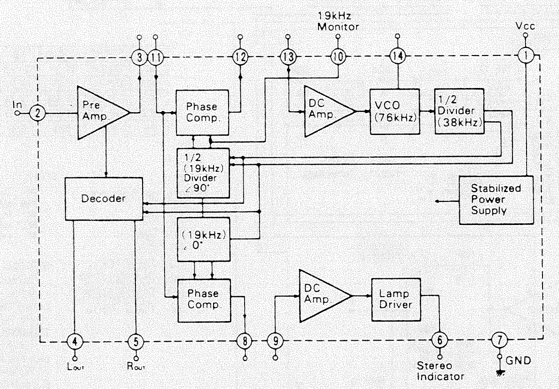
C.R. : Carbon Resistor
S.R. : Solid Resistor
Ce.R. : Cement Resistor
M.R. : Metal Film Resistor
F.R. : Fusing Resistor
N.I.R. : Non-Inflammable Resistor
C.C. : Ceramic Capacitor
C.T. : Ceramic Capacitor, Temperature Compensation
E.C. : Electrolytic Capacitor
E.L. : Low Leak Electrolytic Capacitor
E.B. : Bi-Polar Electrolytic Capacitor
E.BL. : Low Leak Bi-Polar Electrolytic Capacitor
Ta.C. : Tantalum Capacitor
F.C. : Film Capacitor
M.P. : Metalized Paper Capacitor
P.C. : Polystyrene Capacitor
G.C. : Gimmic Capacitor
V.R. : Variable Resistor
S.V.R. : Semi Variable Resistor
SW. : Switch

5. INTERIOR BLOCK DIAGRAM OF IC

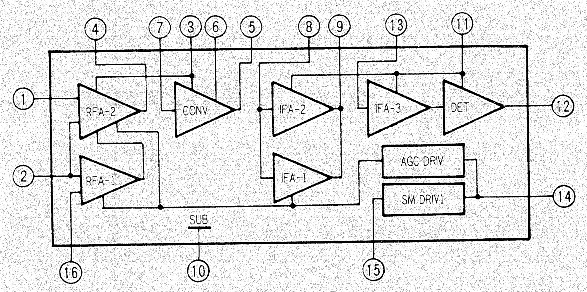
- LA1231N (IF & Quadrature Detector)


11
8
9
10
Voltage Regulator
Quadrature Limitter
IF Amp./Limitter
1st
2nd
3rd
4th
5th
6th
Quadrature Detector
AFC/Tune Meter Drive
7
Audio Amp
Audio Mute
6
5
1
2
3
4
Level Det
Level Det
Level Det
Inverter
Level Det
DC Level Det
IF Amp Mute
Signal Meter Drive
Mute Drive
15
13
16
12
14

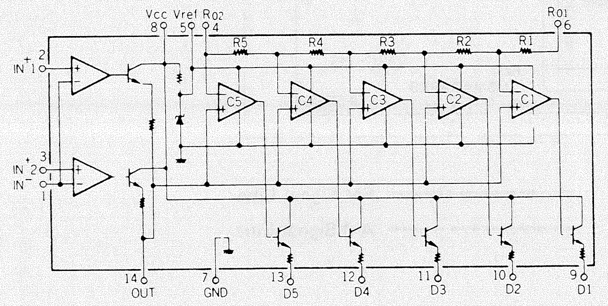
- HA1156 (MPX)


19kHz Monitor
Vcc
3
11
12
13
10
14
1
In
2
Pre Amp
Phase Comp.
DC Amp
VCO (76kHz)
1/2 Divider (38kHz)
1/2 (19kHz) Divider ∠90°
Decoder
(19kHz) ∠0°
Stabilized Power Supply
Phase Comp.
DC Amp
Lamp Driver
4
5
8
9
6
7
Lout
Rout
Stereo Indicator
GND

- LA1240 (AM Tuner)

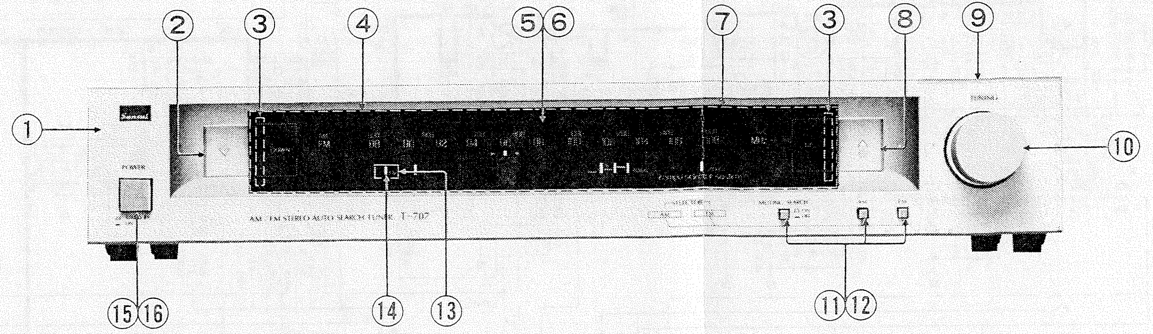

4
7
3
6
5
8
9
13
11
1
2
RFA-2
RFA-1
CONV
IFA-2
IFA-1
IFA-3
DET
AGC DRIV
SM DRIV1
SUB
12
14
16
10
15

- LB1416 (Signal Indicator Drive)

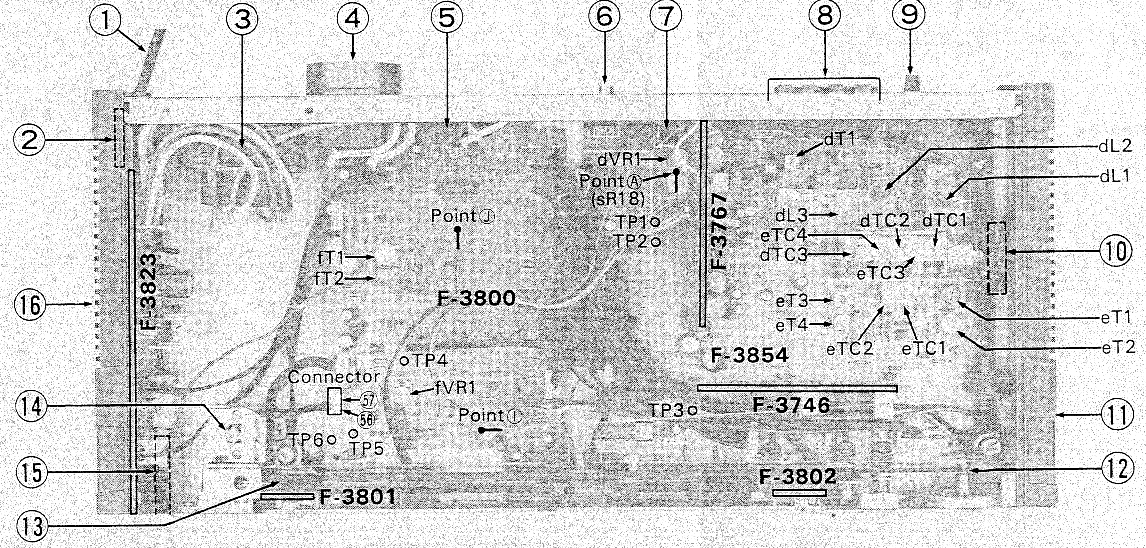

Vcc
Vref
Ro2
8
5
4
Ro1
R5
R4
R3
R2
R1
IN
IN
C5
C4
C3
C2
C1
14
OUT
7
GND
13
D5
12
D4
11
D3
10
D2
9
D1

6. OTHER PARTS

6-1. Front View


①
②
③
④
⑤⑥
⑦
③
⑧
⑨
⑩
⑪⑫
⑬
⑭
⑮⑯

6-2. Top View


①
③
④
⑤
⑥
⑦
⑧
⑨
②
⑯
⑭
⑮
⑬
⑩
⑪
⑫
dL2
dL1
eT1
eT2
dT1
dVR1
PointⒶ (sR18)
TP1
TP2
PointⒿ
fT1
fT2
F-3823
F-3800
F-3767
dL3
eTC4
dTC3
dTC2
dTC1
eTC3
eT3
eT4
F-3854
eTC2
eTC1
TP4
Connector
57
56
fVR1
PointⒾ
TP6
TP5
TP3
F-3746
F-3802
F-3801

Parts List <Front View>

Parts No.	Stock No.	Description
1	07922300	Front Panel Ass'y <T-707 Silver>
	07922400	Front Panel Ass'y <T-707 Black>
	47012700	Front Panel Ass'y <T-707L Silver>
	47012800	Front Panel Ass'y <T-707L Black>
2	07925400	Push Knob (Auto Search·Down)
3	07962600	Cushion Rubber
4	47011410	Display Holder <Silver Model>
	07919610	Display Holder <Black Model>
5	07943100	Dial Scale <T-707>
	07943400	Dial Scale <T-707L>
6	07953800	Smoked Plate <Silver Model>
	07953700	Smoked Plate <Black Model>
7	47011810	Display Cover
8	07925300	Push Knob (Auto Search·Up)
9	07962200	Bonnet
10	07961600	Tuning Knob <Silver Model>
	07961700	Tuning Knob <Black Model>
11	46369000	Push SW., Selector·MUTING <T-707>
	46396600	Push SW., Selector·MUTING <T-707L>
12	47021000	Push Knob, Selector·MUTING <Silver Model>
	07923200	Push Knob, Selector·MUTING <Black Model>
13	07919410	Dial Pointer Holder
14	46321200	L.E.D. Ass'y (Dial Pointer)
15	46399900	Push SW., Power <T-707>
	46370900	Push SW., Power <T-707L>
16	07971210	Push Knob <Silver Model>
	07911210	Push Knob <Black Model>

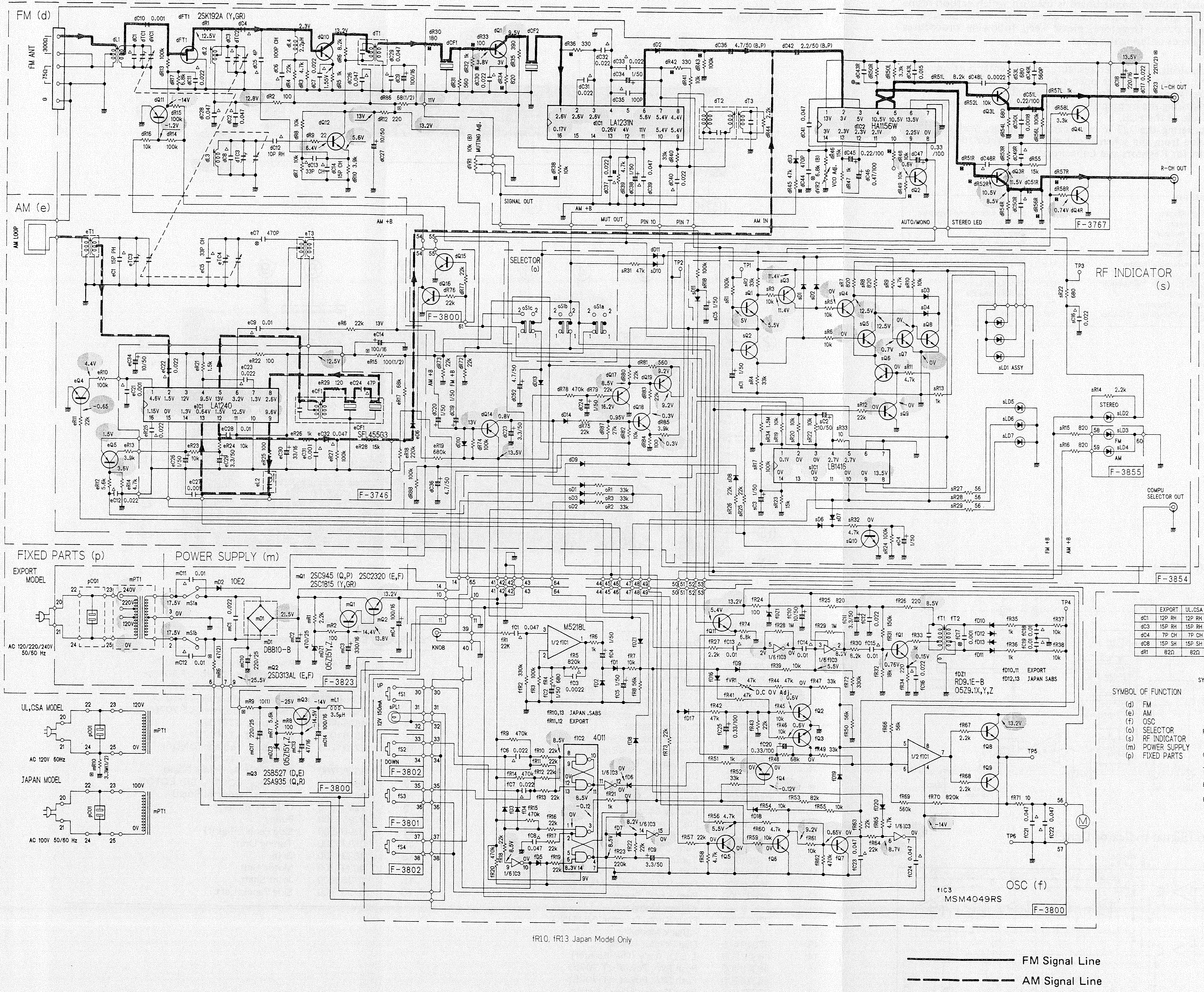
Parts List <Top View>

Parts No.	Stock No.	Description
1	38005400	Power Supply Cord <T-707>
	38004500	Power Supply Cord <T-707L>
2	07917700	Power Supply Cord Cover
3	15008801	Power Transformer <T-707>
	15008805	Power Transformer <T-707L>
4	46364900	AC Outlet <T-707>
	46161000	AC Outlet <T-707L>
5	07204700	Slide SW., Voltage Selector (220/240 V T-707L)
6	46363700	2P Output Terminal Board
7	46411800	Mini Jack, COMPU SELECTOR
8	46364200	Antenna Terminal Board
9	22301500	GND Terminal
10	07956300	Pulley
11	07965500	Side Panel (Right)
12	07975300	Tuning Unit
13	46392800	Belt
14	46397100	Motor Unit
15	07963900	Joint Shaft
16	07965400	Side Panel (Left)

7. SCHEMATIC DIAGRAM

7-1. T-707

* Design and specifications subject to change without notice for improvement.
* La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.


A
B
C
D
E
F
G
H
1
2
3
4
5
FM (d)
FM ANT
300Ω
75Ω
2SK192A (Y,GR)
LA1231N
HA1156W
L-CH OUT
R-CH OUT
AUTO/MONO
STEREO LED
SIGNAL OUT
MUTING Adj.
VCO Adj.
F-3767
AM (e)
AM LOOP
LA1240
SFL455G3
F-3746
SELECTOR (o)
F-3800
RF INDICATOR (s)
sLD1 ASSY
LB1416
STEREO
FM
AM
F-3855
COMPU SELECTOR OUT
F-3854
FIXED PARTS (p)
EXPORT MODEL
AC 120/220/240V 50/60 Hz
POWER SUPPLY (m)
mQ1 2SC945 (Q,P) 2SC2320 (E,F) 2SC1815 (Y,GR)
mQ2 2SD313AL (E,F)
mQ3 2SB527 (D,E) 2SA935 (Q,R)
DBB10-B
05Z15Y,Z
10E2
F-3823
UL,CSA MODEL
AC 120V 60Hz
JAPAN MODEL
AC 100V 50/60 Hz
KNOB
M5218L
4011
UP
DOWN
F-3802
F-3801
F-3800
RD9.1E-B 05Z9.1X,Y,Z
fD10,11 EXPORT
fD12,13 JAPAN SABS
fR10,13 JAPAN,SABS
fR11,12 EXPORT
D.C OV Adj.
1/2 fIC1
fIC3 MSM4049RS
OSC (f)
TP1
TP2
TP3
TP4
TP5
TP6
fR10, fR13 Japan Model Only
FM Signal Line
AM Signal Line

FM (d)

dQ1	2SC2839 (E,F) 2SC1674 (L,K)	2SC2786 (L,K)
dQ2,15,16	2SC945 (Q,P) 2SC1815 (Y,GR) 2SC2785 (E,F,J,H) 2SC2458 (Y,GR)	2SC2320 (E,F) 2SC2603 (E,F)
dQ3,11	2SA733A (Q,P)	2SA999 (E,F)
dQ14,17	2SA1015 (Y,GR) 2SA1175 (E,F,J,H) 2SA1048 (Y,GR)	 2SA1115 (E,F)
dQ4	2SC945 (Q,P) 2SC2785 (E,F,J,H)	2SC2878 (A,B) 2SC2603 (E,F)
dQ10	2SC2786 (L,K)	2SC1674 (L,K)
dQ12	2SC1923 (O,Y)	2SC2668 (O,Y)
dQ18	2SC945 (Q,P) 2SC2320 (E,F)	2SC2785 (E,F,J,H) 2SC2603 (E,F)
dQ19	2SA733A (Q,P) 2SA999 (E,F)	2SA1175 (E,F,J,H) 2SA1115 (E,F)
dD	ALL 1S2473	

AM (e)

eQ4	2SC945 (Q,P) 2SC2320 (E,F) 2SC1815 (Y,GR)	2SC2785 (E,F,J,H) 2SC2603 (E,F) 2SC2458 (Y,GR)
eQ5	2SA733A (Q,P) 2SA999 (E,F) 2SA1015 (Y,GR)	2SA1175 (E,F,J,H) 2SA1115 (E,F) 2SA1048 (Y,GR)
eD	ALL 1S2473	

RF INDICATOR (s)

sQ1	2SC945 (Q,P)	2SC2785 (E,F,J,H)
sQ2,3	2SA733A (Q,P)	2SA1175 (E,F,J,H)
sQ4~9,10	2SC1815 (Y,GR) 2SC2320 (E,F) 2SC945 (Q,P)	2SC2458 (Y,GR) 2SC2603 (E,F) 2SC2785 (E,F,J,H)
sD	ALL 1S2473	

OSC (f)

fQ1	2SC2839 (E,F)	
fQ2~8,11	2SC945 (Q,P) 2SC2785 (E,F,J,H)	2SC2320 (E,F) 2SC2603 (E,F)
fQ9	2SA999 (E,F) 2SA733 (Q,P)	2SA1115 (E,F) 2SA1175 (E,F,J,H)
fD1~9,fD16~21	1S2473	
fD10~13	HP80	OA90M

SELECTOR (o)

oD1~3	1S2473

SWITCHES

oS1a

	T-707
1	
2	FM

oS1b

	T-707
1	
2	AM

OS1c AM,FM MUTE
FM AUTO MONO
SEARCH

	T-707
1	ON AUTO
2	OFF MONO

	EXPORT	UL.CSA	EU.BS	SABS	JAPAN
dC1	12P RH	12P RH	12P RH	12P RH	18P RH
dC3	15P RH	15P RH	15P RH	15P RH	22P RH
dC4	7P CH	7P CH	7P CH	7P CH	8P CH
dC8	15P SH	15P SH	15P SH	10P SH	15P UJ
dR1	82Ω	82Ω	82Ω	82Ω	120Ω

SYMBOL OF FUNCTION

(d)	FM
(e)	AM
(f)	OSC
(o)	SELECTOR
(s)	RF INDICATOR
(m)	POWER SUPPLY
(p)	FIXED PARTS

SYMBOL

△	Ceramic Capacitor
◎	Mylar
⊗	Polystyrene
▣	Non-Inflammable Resistor
▦	Printed Resistor

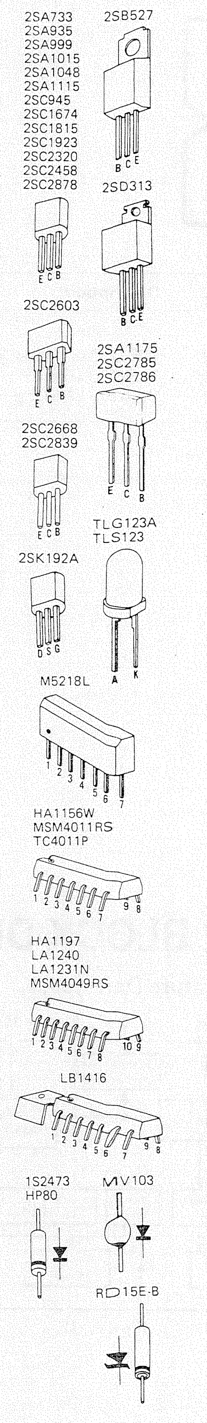
RESISTORS
Are in ohms, 1/4 Watts, ±5% Tolerance
Unless Otherwise Noted. k:KΩ, M:MΩ

CAPACITORS
Are in μF, Unless Otherwise Noted. P:pF

TOLERANCE
J:±5% G:±2% F:±1%

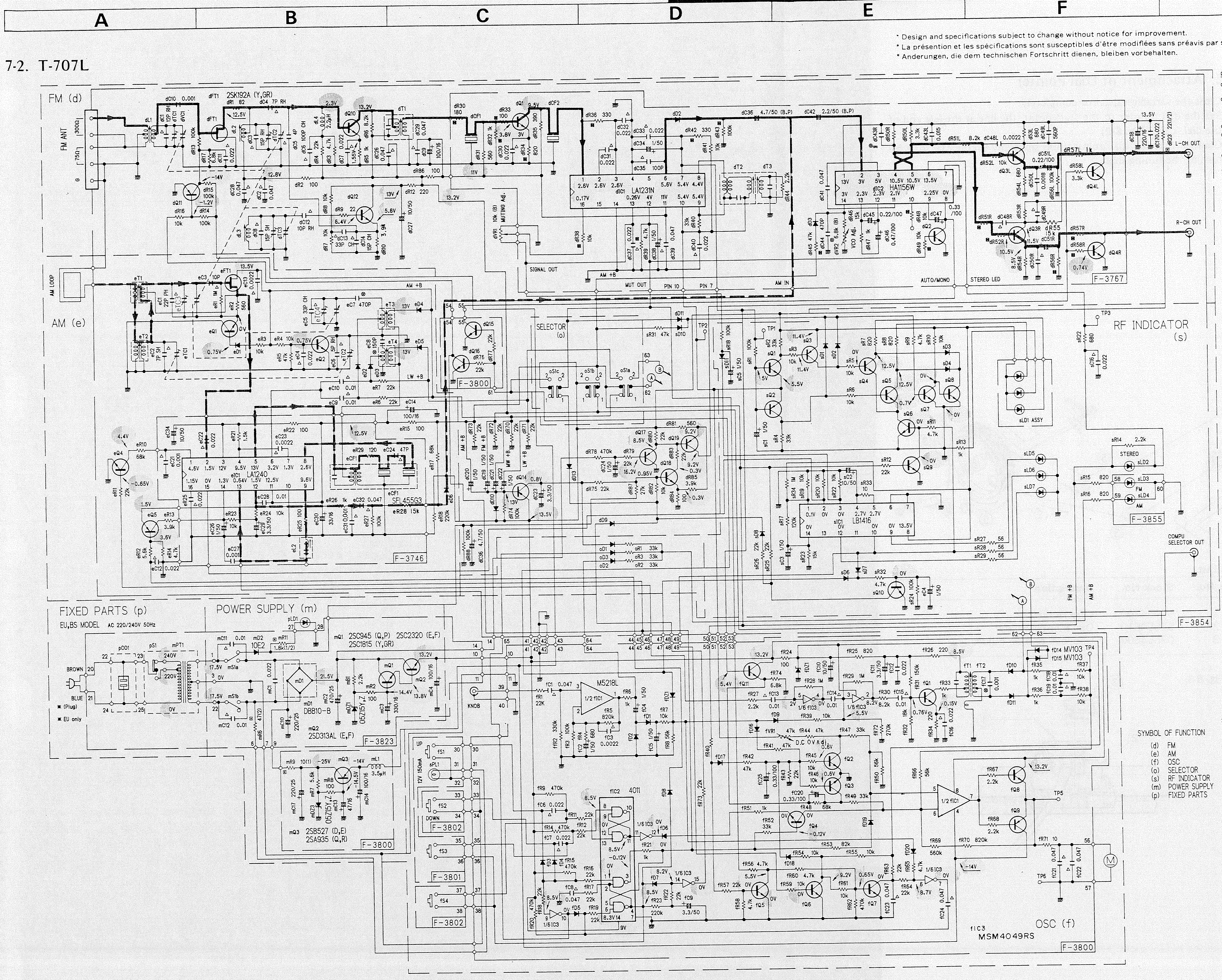
Each D.C Voltage shows the nominal value
in volts at no input signal.

Electrolytic Capacitor:Capacitance (μF)/Volt (V)


2SA733
2SA935
2SA999
2SA1015
2SA1048
2SA1115
2SC945
2SC1674
2SC1815
2SC1923
2SC2320
2SC2458
2SC2878
2SB527
2SD313
2SC2603
2SA1175
2SC2785
2SC2786
2SC2668
2SC2839
TLG123A
TLS123
2SK192A
M5218L
HA1156W
MSM4011RS
TC4011P
HA1197
LA1240
LA1231N
MSM4049RS
LB1416
1S2473
HP80
MV103
RD15E-B
E C B
B C E
D S G
A K

- Design and specifications subject to change without notice for improvement.
* La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

7-2. T-707L


A
B
C
D
E
F
G
H
1
2
3
4
5
FM (d)
FM ANT
300Ω
75Ω
2SK192A (Y,GR)
LA1231N
HA1156W
L-CH OUT
R-CH OUT
F-3767
SIGNAL OUT
MUTING ADJ.
VCO ADJ.
AUTO/MONO
STEREO LED
AM +B
MUT OUT
PIN 10
PIN 7
AM IN
AM LOOP
AM (e)
LA1240
SFL455G3
F-3746
SELECTOR (o)
F-3800
RF INDICATOR (s)
LB1416
sLD1 ASSY
STEREO
F-3855
COMPU SELECTOR OUT
F-3854
FM +B
AM +B
FIXED PARTS (p)
EU,BS MODEL AC 220/240V 50Hz
BROWN
BLUE
(Plug)
EU only
POWER SUPPLY (m)
2SC945 (Q,P) 2SC2320 (E,F)
2SC1815 (Y,GR)
D8B10-B
05Z15Y,Z
2SD313AL (E,F)
F-3823
2SB527 (D,E)
2SA935 (Q,R)
F-3800
KN08
M5218L
4011
F-3802
F-3801
F-3802
UP
DOWN
MSM4049RS
OSC (f)
F-3800
TP4
TP5
TP6
MV103
M

FM (d)		
dQ1,10	2SC2839 (E,F) 2SC1674 (L,K)	2SC2786 (L,K)
dQ2,15,16	2SC945 (Q,P) 2SC1815 (Y,GR) 2SC2785 (E,F,J,H) 2SC2458 (Y,GR)	2SC2320 (E,F) 2SC2603 (E,F)
dQ3,11	2SA733A (Q,P)	2SA999 (E,F)
dQ14,17	2SA1015 (Y,GR) 2SA1175 (E,F,J,H) 2SA1048 (Y,GR)	2SA1115 (E,F)
dQ4	2SC945 (Q,P) 2SC2785 (E,F,J,H)	2SC2878 (A,B) 2SC2603 (E,F)
dQ12	2SC1923 (O,Y)	2SC2668 (O,Y)
dQ18	2SC945 (Q,P) 2SC2320 (E,F)	2SC2785 (E,F,J,H) 2SC2603 (E,F)
dQ19	2SA733A (Q,P) 2SA999 (E,F)	2SA1175 (E,F,J,H) 2SA1115 (E,F)
dD	ALL 1S2473	
AM (e)		
eFT1	2SK192A (Y,GR)	
eQ1,2	2SC2878 (A,B)	
eQ4	2SC945 (Q,P) 2SC2320 (E,F) 2SC1815 (Y,GR)	2SC2785 (E,F,J,H) 2SC2603 (E,F) 2SC2458 (Y,GR)
eQ5	2SA733A (Q,P) 2SA999 (E,F) 2SA1015 (Y,GR)	2SA1175 (E,F,J,H) 2SA1115 (E,F) 2SA1048 (Y,GR)
eD	ALL 1S2473	
RF INDICATOR (s)		
sQ1	2SC945 (Q,P)	2SC2785 (E,F,J,H)
sQ2	2SA733A (Q,P)	2SA1175 (E,F,J,H)
sQ3-10	2SC1815 (Y,GR) 2SC2320 (E,F) 2SC945 (Q,P)	2SC2458 (Y,GR) 2SC2603 (E,F) 2SC2785 (E,F,J,H)
sD	ALL 1S2473	
OSC (f)		
fQ1	2SC2839 (E,F)	
fQ2-8	2SC945 (Q,P) 2SC2785 (E,F,J,H)	2SC2320 (E,F) 2SC2603 (E,F)
fQ9	2SA999 (E,F) 2SA733 (Q,P)	2SA1115 (E,F) 2SA1175 (E,F,J,H)
fD1-9, fD16-21	1S2473	
fD10-11	HP80	
SELECTOR (o)		
oD1-3	1S2473	

SWITCHES

oS1a

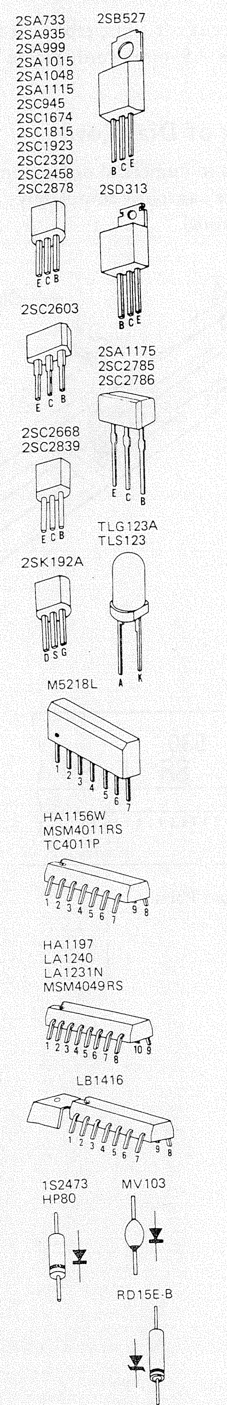
	T-707L
1	MW
2	LW

oS1b

	T-707L
1	FM
2	AM

OS1c AM,FM MUTE
FM AUTO MONO
SEARCH

	T-707L
1	ON AUTO
2	OFF MONO


2SA733
2SA935
2SA999
2SA1015
2SA1048
2SA1115
2SC945
2SC1674
2SC1815
2SC1923
2SC2320
2SC2458
2SC2878
E C B
2SB527
B C E
2SD313
B C E
2SC2603
E C B
2SA1175
2SC2785
2SC2786
E C B
2SC2668
2SC2839
E C B
TLG123A
TLS123
A K
2SK192A
D S G
M5218L
1 2 3 4 5 6 7
HA1156W
MSM4011RS
TC4011P
1 2 3 4 5 6 7 9 8
HA1197
LA1240
LA1231N
MSM4049RS
1 2 3 4 5 6 7 8 10 9
LB1416
1 2 3 4 5 6 7 9 8
1S2473
HP80
MV103
RD15E-B

SYMBOL OF FUNCTION

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Each D.C Voltage shows the nominal value
in volts at no input signal.

Electrolytic Capacitor: Capacitance (μF)/Volt (V)

——— FM Signal Line
– – – – MW · LW Signal Line

8. THREADING OF DIAL CORD

- If a dial cord is cut off slips, replace it by following procedures. As this unit uses 0.5 mmφ cord, please replace it with the same type certainly.

8-1. Threading of Dial Cord

Thread the dial cord in numerical order from ① to ⑩ as Fig. 8-1.

- Close the variable capacitor completely.

* Dial Cord (0.5 mmφ) . . . . (Stock No. 60360530)

Fig. 8-1

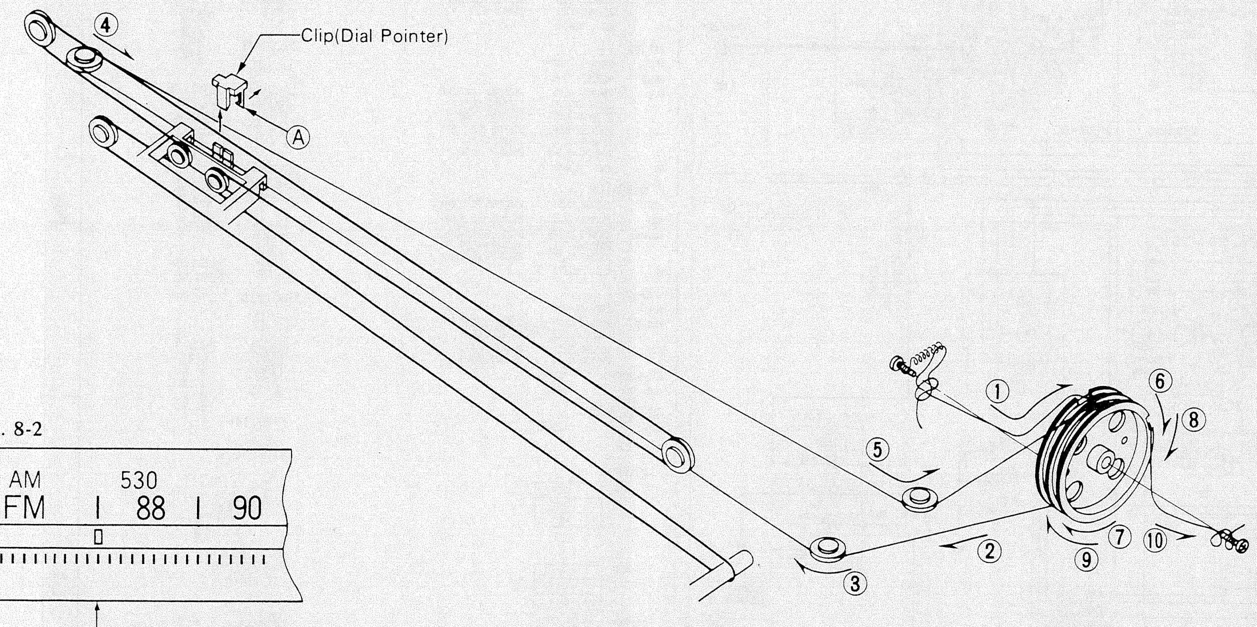


Fig. 8-2

Start Point

8-2. Attachment of Dial Pointer

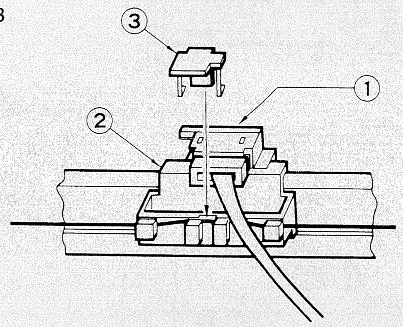
1. Close the variable capacitor completely.
2. Set the dial pointer to the start point, the line at the left end of the dial scale. (Fig. 8-2)

* Confirm that the dial pointer runs smoothly on the dial scale by turning the tuning shaft.

Parts List

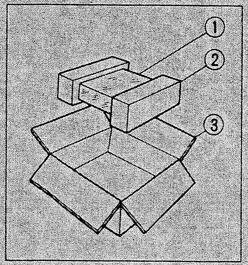
Parts No.	Stock No.	Description
1	07654700	Wire Holder
2	07654810	Dial Pointer Holder
3	07654600	Clip, dial pointer holder

Fig. 8-3



9. PACKING LIST

Parts No.	Stock No.	Description
1	07599500	Vinyl Cover
2	07965300	Styrofoam Packing
3	07975400	Carton Case <T-707 Silver Model>
	07975500	Carton Case <T-707 Black Model>
	07975700	Carton Case <T-707L Silver Model>
	07975800	Carton Case <T-707L Black Model>



10. ACCESSORY LIST

Stock No.	Description
46355800	Operating Instruction (T-707)
46355900	Operating Instruction (T-707L)
46051700	FM Antenna
46145700	AM Loop Antenna
07563000	Antenna Holder
38103200	PJP Card
46267300	Mini Plug Cord

Sansui

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3036 Koapaka 5t. Honolulu, Hawaii 96819 U.S.A.
SANSUI ELECTRONICS (U.K.) LTD.: Unit 10A, Lyon Industrial Estate, Rockware Avenue, Greenford, Middx UB6, OAA, England
SANSUI ELECTRONICS G.M.B.H.: Paul Ehrlich Strasse 8, 6074 Rödermark 2, West Germany

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